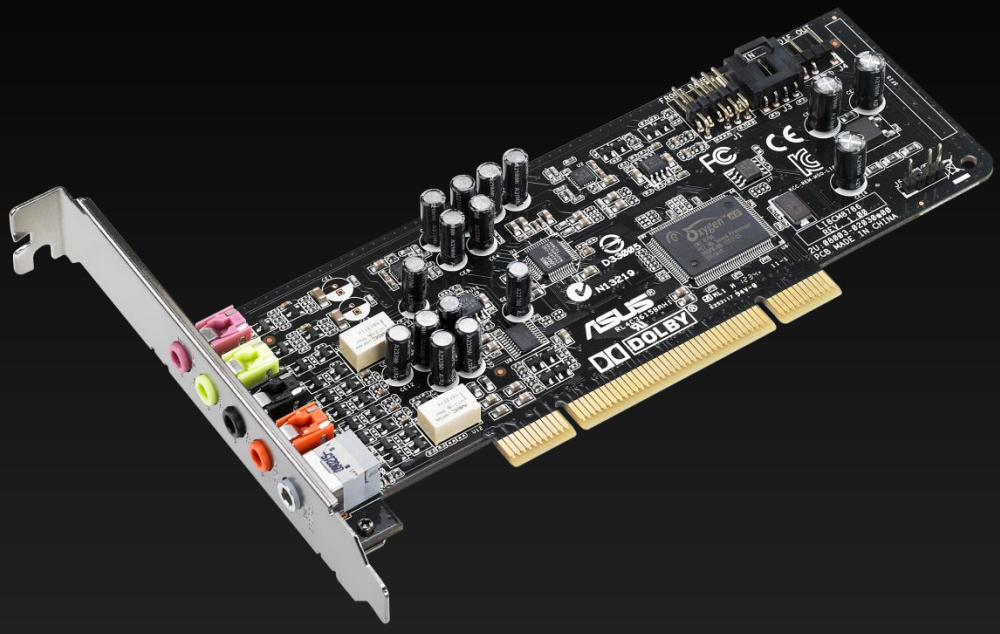
XONAR

► *Headphone AMP*, power up every sound detail in gaming
► *Dolby® Headphone* delivers realistic surround in your gaming headset
► *GX 2.5* enables latest EAX audio for the most immersive in-game experience
► *Jack-sensing front-panel* automatically switches output from back to front once plugged in

Headphone AMP
& PCI 7.1 Audio Card

XONAR DG SI

Hear all, Command all



Sound Details
Power up every detail in gaming with built in **Headphone AMP**

+

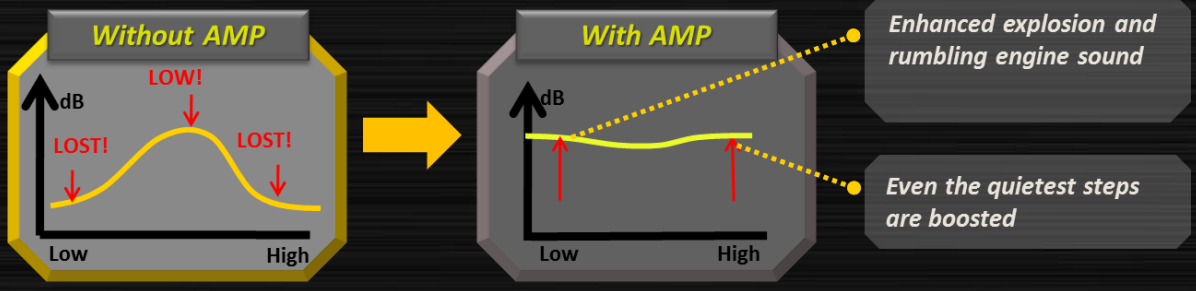
Sound Immersion
Realistic surround sound field delivered by **Dolby® Headphone**

+

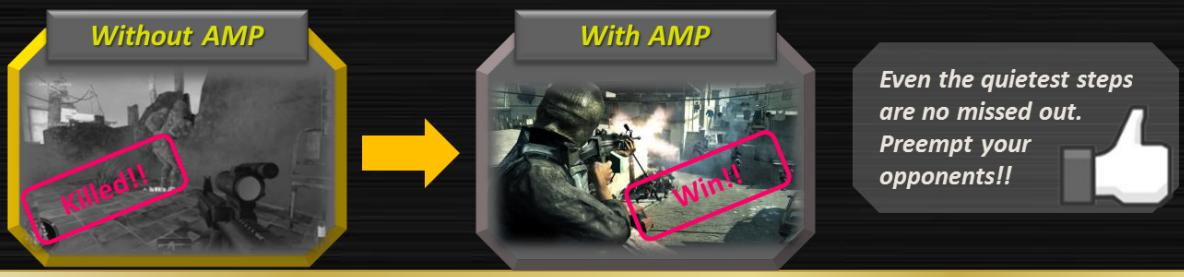
Sound Precision
Latest EAX & Direct Sound 3D support with ASUS Xonar **GX 2.5** Audio Engine

Headphone Amplifier – Powers up every sound detail

Powers up every sound detail in gaming



Feel the built-in headphone amplifier driving your headphones/ headsets to it's full-performance stage with every sound details.

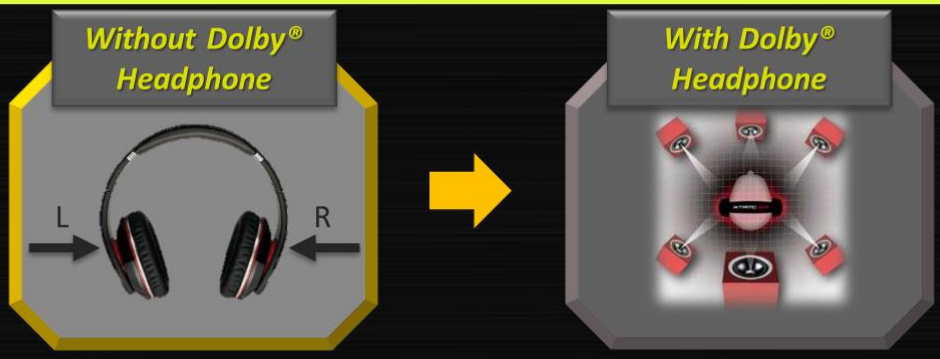


Dolby Headphone – Realistic Surround Field

Satisfies Your Need for Surround Sound

= Realistic surround sound + 3D positional gaming sound field

Only have 2 channel device, but still want surround sounds?



Specification Sheet

Items	Description
Audio Performance	
Output Signal-to-Noise Ratio (A-Weighted):	Up to 105dB
Input Signal-to-Noise Ratio (A-Weighted):	103dB
Output Total Harmonic Distortion + Noise at 1kHz (A-Weighted) :	Up to 0.0025% (-92dB)
Input Total Harmonic Distortion + Noise at 1kHz (A-Weighted) :	Up to 0.0022% (-93dB)
Frequency Response (-3dB, 24-bit/96kHz input):	<10Hz to 48kHz
Output/Input Full-Scale Voltage	1Vrms (3Vp-p)
Headphone Impedance	Optimized for 32~150Ω
Bus Compatibility	
PCI	PCI v2.2 or above bus compatible
Main Chipset	
Audio Processor	C-Media CMI8786 High-Definition Sound Processor
D-A Converter of Digital Sources:	Cirrus Logic CS4245*1 (104dB DNR, Max. 192KHz/24bit) / Cirrus Logic CS4361*1 (103dB DNR, Max. 192KHz/24bit)
A-D Converter for Analog Inputs:	Cirrus Logic CS4245*1 (104dB DNR, Max. 192KHz/24bit)
Sample Rate and Resolution	
Analog Playback Sample Rate and Resolution	44.1K/48K/96KHz/192KHz @ 16/24bit for all channels
Analog Recording Sample Rate and Resolution	44.1K/48K/96KHz/192KHz @ 16/24bit
S/PDIF Digital Output	44.1K/48K/96KHz/192KHz @ 16/24bit, Dolby Digital, DTS, WMA-Pro
ASIO 2.2 Driver Support:	44.1K/48K/96KHz/192KHz @ 16/24bit
I/O Ports	
Analog Output Jack:	3.50mm mini jack *3 (Front/Side/Center-Subwoofer)
Analog Input Jack:	3.50mm mini jack *1 (Line-In/Mic-In)
Other line-level analog input (for CD-IN/TV Tuner):	Aux-In (4-pin header on the card)
Digital S/PDIF Output	High-bandwidth Optical Connector supports 192KHz/24bit -additional SPDIF-out header for HDMI audio output
Front-Panel Audio Header	Supports headphone jack-detection, automatically switch audio output from back-panel to front
Driver Features	
Operation System	Windows8/Windows7/XP(32/64bit)/MCE2005